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**Notes:**

1. Untranslatable words are replaced with asterisks (\*\*\*\*).
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**CLAIM + DETAILED DESCRIPTION**

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**[Claim(s)]**

[Claim 1] It is the aerosol container which opens and closes the stem hole of the side of the injection path which it was attached to the MAUN ten cup of an aerosol container, and was formed in the stem, and injects a content. The explosion arrester of the aerosol container characterized by forming the valve mechanism for automatic blowdown in the end face of this exhaust passage while forming the exhaust passage which the injection path of said stem is made to open for free passage and is penetrated in valve housing.

[Claim 2] The explosion arrester of the aerosol container according to claim 1 characterized by constituting from an exhaust hole which penetrates said valve mechanism for automatic blowdown to the end face part side of said exhaust passage, and an exhaust air valve which carries out deformation opening with an unusual internal pressure while being equipped from end face opening of said exhaust passage and plugging up the exhaust hole concerned.

[Claim 3] It has the pressure receiving part which receives an internal pressure while having the blockade part which it is equipped with said valve mechanism for automatic blowdown from end face opening of said exhaust passage, and takes up the exhaust passage of the end face part concerned. The explosion arrester of the aerosol container according to claim 1 characterized by constituting from an exhaust air valve which is moved with the unusual internal pressure to this pressure receiving part, and carries out opening of the exhaust passage.

[Claim 4] The explosion arrester of the aerosol container according to claim 2 or 3 which forms with the shape memory material which made the configuration which carries out opening of said exhaust passage for said exhaust air valve at the time of abnormally high temperature memorize, and is characterized by things.

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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention enables it to prevent explosion about the explosion arrester of an aerosol container also in the time of internal-pressure lifting at the time of an aerosol container being thrown in in fire or being neglected under an elevated temperature etc.

[0002]

[Description of the Prior Art] [ the aerosol container which fills up an aerosol container with a content and makes a content inject with propellants, such as a liquefied gas and compressed gas, using gasification of a liquefied gas, expansion of compressed gas, etc. ] When it is supplied in fire or is neglected under an elevated temperature for a long time, an internal pressure rises with heat and there is a possibility of exploding exceeding 15kg/cm<sup>2</sup> of a resisting pressure limitation depending on the case.

[0003] For this reason, although the apparatus for preventing explosion conventionally is proposed variously, it is large and can divide roughly into the thing using the unusual high voltage force, and the thing using abnormally high temperature.

[0004] For example, as a thing using the unusual high voltage force [ JP,H8-133361,A ] The annular member which can change freely between the Mountain cap and housing inserted in this Mountain cap is made to intervene. At the time of birth of an unusual internal pressure, an annular member is changed, exhaust air is passed and there are some which exhausted high pressure gas outside by using as an exhaust port opening prepared in the Mountain cap.

[0005] Moreover, as a thing using abnormally high temperature [ JP,H8-143074,A ] The spring for blowout prevention is prepared in the manual operation button which carries out press actuation of the valve mechanism of an aerosol container. It forms with the shape memory material which made it remember that a configuration carried out open operation of the valve mechanism for this spring for blowout prevention at the time of an elevated temperature, and a configuration is recovered and there are the exterior and a thing it was made to make it open for free passage so that a valve may be opened at the time of an elevated temperature.

[0006]

[Problem to be solved by the invention] However, if it is in the explosion arrester of the conventional aerosol container, while a configuration is complicated and there is a problem of the number of erectors increasing, a problem is in the dependability of the action which makes the exterior of an aerosol container exhaust elevated-temperature gas.

[0007] It is what was made in order that this invention might solve the technical problem which this conventional technique has. A configuration is what is going to offer the explosion arrester of the aerosol container which can be easy and can be operated certainly. Furthermore, it is going to offer the explosion arrester of the aerosol container which can prevent explosion

much more certainly by making it not only making it operate with an unusual pressure or abnormal temperature but operate using both.

[0008]

[Means for solving problem] In order to solve the technical problem which the above-mentioned conventional technique has, [ the explosion arrester of the aerosol container of this invention according to claim 1 ] It is the aerosol container which opens and closes the stem hole of the side of the injection path which it was attached to the MAUN ten cup of an aerosol container, and was formed in the stem, and injects a content. While forming the exhaust passage which the injection path of said stem is made to open for free passage and is penetrated in valve housing, it is characterized by forming the valve mechanism for automatic blowdown in the end face of this exhaust passage.

[0009] According to the explosion arrester of this aerosol container, the stem of an aerosol container is made to penetrate the exhaust passage which is open for free passage to an injection path, and he is trying to form the valve mechanism for automatic blowdown in the edge of this exhaust passage, and it becomes a configuration is easy and easy [ assembly ], and can be made to operate certainly now.

[0010] [ moreover, the explosion arrester of the aerosol container of this invention according to claim 2 ] In addition to said architecture according to claim 1, it is characterized by constituting from an exhaust hole which penetrates said valve mechanism for automatic blowdown to the end face part side of said exhaust passage, and an exhaust air valve which carries out deformation opening with an unusual internal pressure while being equipped from end face opening of said exhaust passage and plugging up the exhaust hole concerned.

[0011] According to the explosion arrester of this aerosol container, an exhaust hole is formed in the side of an exhaust passage. Are trying for the exhaust air valve with which it equipped from the opening end to close this, it enables it to exhaust outside by making an unusually high pressure act on an exhaust air valve, and changing it from an exhaust hole, a configuration can be simplified, and it can be made to operate certainly now.

[0012] And it can be made to perform adjusting the pressure which operates with the number and magnitude of the exhaust hole formed in an exhaust passage simply.

[0013] [ furthermore, the explosion arrester of the aerosol container of this invention according to claim 3 ] It has the pressure receiving part which receives an internal pressure while having the blockade part which it is equipped with said valve mechanism for automatic blowdown from end face opening of said exhaust passage, and takes up the exhaust passage of the end face part concerned in addition to said architecture according to claim 1. It is characterized by constituting from an exhaust air valve which is moved with the unusual internal pressure to this pressure receiving part, and carries out opening of the exhaust passage.

[0014] According to the explosion arrester of this aerosol container, equip with the exhaust air

valve constituted from a blockade part and a pressure receiving part by the exhaust passage, make it move by the unusual pressure added to a pressure receiving part, and he is trying to open the blockade by a blockade part, and a configuration can be easy and can make it operate certainly now.

[0015] And it enables it to set up working pressure simply by changing the magnitude of a pressure receiving part and adjusting a receiving surface product.

[0016] Moreover, in addition to architecture according to claim 2 or 3, the explosion arrester of this aerosol container according to claim 4 is formed with the shape memory material which made the configuration which carries out opening of said exhaust passage for said exhaust air valve at the time of abnormally high temperature memorize, and it is characterized by things.

[0017] He is trying to form with the shape memory material which made it remember that a configuration carried out opening of the exhaust air valve at the time of an elevated temperature, and the opening motion by temperature is also added and it enables it to prevent [ according to the explosion arrester of this aerosol container ] explosion much more certainly in addition to the opening motion by a pressure.

[0018]

[Mode for carrying out the invention] The form of operation of the explosion arrester of the aerosol container of this invention is hereafter explained in detail based on Drawings.

[0019] Drawing 1 and drawing 2 start the form of 1 operation of the explosion arrester of the aerosol container of this invention, drawing 1 is drawing of longitudinal section in the left half of an automatic exhaust air condition, drawing 2 is drawing of longitudinal section, a left half shows the condition before actuation and a right half shows an injection condition.

[0020] The aerosol container 1 in which the explosion arrester 10 of this aerosol container is formed is equipped with the MAUN ten cup 2 so that an upper end opening part may be closed, the MAUNTENKAPPU gasket 3 is infixed in the container attachment 2a of a periphery part inverted-L-shaped [ cross-sectional ], and it is attached by a sealed state.

[0021] The cylindrical valve attachment 2b is formed in one, and while a main pore is penetrated and equipped with the stem 5 which constitutes the injection device 4, the housing 6 which stores the intermediate part bottom of a stem 5 inside [ cylinder ] the valve attachment 2b is attached to the central part of this MAUN ten cup 2.

[0022] While the injection path 5a in which the upper end carried out opening is formed in the central part at this stem 5, the dip part 5b and Crevice 5c are formed in an intermediate part periphery, and 5d of stem holes which are open for free passage from this crevice 5c to the injection path 5a are formed in the side of one piece or the plurality stem 5. Moreover, the level difference used as the spring locking part 5e is formed in the lower end outside periphery of a stem 5.

[0023] The upside diameter body 6a of a large and the lower byway body 6b are formed in

one, the core is opening for free passage the housing 6 which stores the intermediate part bottom of such a stem 5 through the free passage pore 6c, and holding fixing of the periphery of the diameter body 6a of a large is carried out to the valve attachment 2b of the MAUN ten cup 2.

[0024] And the upper end face of this housing 6 and the crevice 5c of a stem 5 are equipped with the stem gasket 7. While it is inserted and fixed between housing 6 and the MAUN ten cup 2, a periphery part carries out the seal of between these and an inner circumference part takes up 5d of stem holes of a stem 5 Opening of 5d of the stem holes can be carried out now by depressing a stem 5 and pushing the stem gasket 7 in the dip part 5b. Moreover, Spring-8 is infixed between the bottom of the diameter body 6a of a large of housing 6, and the spring locking part 5e of a stem 5, a stem 5 is energized up and the blockade condition of 5d of stem holes by the stem gasket 7 is held.

[0025] And the byway body 6b of housing 6 is equipped with the dip tube 9, and it is immersed in the content with which the aerosol container 1 was filled up.

[0026] In such an aerosol container 1, although the usual injection is performed by the injection device 4, the explosion arrester 10 of the aerosol container of this invention is further formed in the aerosol container 1 for the charge into fire, or the explosion prevention under an elevated temperature.

[0027] [ the explosion arrester 10 of this aerosol container ] The exhaust passage 12 which the injection path 5a of the central part of a stem 5 is made open for free passage, and constitutes the automatic discharge valve device 11 is formed, and carry out opening in the lower end of a stem 5, and it is open for free passage in housing 6, and by this The passage penetrated by the injection path 5a and the exhaust passage 12 will be formed in the central part of a stem 5.

[0028] And two or more exhaust holes 13 which are open for free passage to the exhaust passage 12 of the central part at a stem 5 from the lower end part side which is the end face part are formed in one piece or periphery regular intervals.

[0029] It is equipped with the exhaust air valve 14 so that lower end opening and the exhaust hole 13 of the exhaust passage 12 which are end face opening of such a stem 5 may be plugged up.

[0030] The cylindrical blockade part 14a which is inserted in the exhaust passage 12 and plugs up an exhaust hole 13, and the disc-like disc part 14b applied to the lower end surface of the stem 5 of the periphery of lower end opening of the exhaust passage 12 are really formed, and this exhaust air valve 14 is constituted.

[0031] This exhaust air valve 14 is made, for example from a synthetic resin, rubber or a metal, etc., and a resisting pressure limitation when [ for example, ] it becomes the unusual high voltage over 15kg/cm<sup>2</sup> [ the pressure in the aerosol container 1 ] An ingredient and thickness

are selected so that the blockade part 14a may change by the pressure added through the exhaust hole 13 formed in the stem 5 and an exhaust hole 13 can be opened.

[0032] [ such an explosion arrester 10 of an aerosol container ] As shown in drawing 1 if an internal pressure becomes the unusual high voltage over 15kg/cm<sup>2</sup> of a resisting pressure limitation with heat when it is neglected under the charge into fire, or an elevated temperature It acts on the blockade part 14a of the exhaust air valve 14 through the exhaust hole 13 which this pressure formed in the lower end part side of a stem 5, and the blockade part 14a of the exhaust air valve 14 is transformed inside by this pressure.

[0033] Then, the exhaust hole 13 closed in the blockade part 14a of the exhaust air valve 14 is opened wide, and the exhaust passage 12 and the injection path 5a of the inside of housing 6 and a stem 5 are open for free passage. The content of a high voltage condition with which the aerosol container 1 was filled up etc. is exhausted outside through the injection path 5a of a stem 5, and explosion is prevented.

[0034] [ in addition, the usual injection in the aerosol container 1 ] It is carried out by resisting Spring-8 and depressing a stem 5 through the push button which is not illustrated, as shown in the right half of drawing 2 . It is carried out by the stem gasket 7 being pushed in the dip part 5b of a stem 5, opening of 5d of the stem holes being carried out, and a content etc. flowing into the injection path 5a through 5d of stem holes through the free passage pore 6c of housing 6 from the clearance between housing 6 and a stem 5, and being injected from the injection tip of the push button which is not illustrated.

[0035] While according to the explosion arrester 10 of such an aerosol container making the injection path 5a of a stem 5 penetrate to a lower end and forming the exhaust passage 12 The exhaust hole 13 which is open for free passage from the side can be formed, an unusual high-pressure content etc. can be automatically exhausted outside with the easy configuration of equipping with the exhaust air valve 14 from the lower end of the exhaust passage 12, and explosion can be prevented.

[0036] Moreover, since it exhausts automatically using deformation of the exhaust air valve 14 by unusual high voltage while a configuration is easy, and there are also few components mark and they can do assembly easily, it can be made to be able to operate certainly and dependability can be raised.

[0037] Furthermore, the pressure in which an exhaust hole 13 carries out opening according to deformation of the exhaust air valve 14 can be set up by changing the number and magnitude of not only the ingredient and thickness of the blockade part 14a of the exhaust air valve 14 but the exhaust hole 13, and the degree of freedom in the case of setting up can also be set up easily greatly.

[0038] next, when it can be made to carry out not only according to the unusual high voltage of an aerosol container but according to abnormally high temperature automatic exhaust air After

making it remember that the configuration of the blockade part 14a is recovered at least in the configuration which opens an exhaust hole 13 at the time of abnormally high temperature, using a shape memory material as an exhaust air valve 14, what was made into the configuration changed so that it might become the usual cylindrical blockade part 14a is used. [0039] When it becomes abnormally high temperature while the exhaust air valve 14 is changed with unusual high voltage and the automatic exhaust air of it can be carried out by using such an exhaust air valve 14 The blockade part 14a of the exhaust air valve 14 will be rapidly recovered in the configuration made to memorize beforehand, and will open an exhaust hole 13a, a content etc. can be exhausted in the same path as an unusual high-pressure case, and explosion of the aerosol container 1 can be prevented.

[0040] Therefore, not only according to the unusual high voltage of the aerosol container 1 but according to abnormally high temperature, automatic exhaust air can be carried out and explosion can be prevented much more certainly.

[0041] As a shape memory material used for such an exhaust air valve 14 Can use a shape-memory resin and a shape memory alloy, for example, as the former Poly norbornene, Transformer polyisoprene, a styrene butadiene copolymer, polyurethane, A polymer, polyethylene, etc. which have the molecular structure of a polyester system alloy can be raised. They are Ti-Ni alloy, Cu-aluminum-nickel, and Cu-Zn-X ([ X=Si and ]) as the latter. Iron system alloy, such as Cu system alloy, such as Sn, aluminum, and Ga alloy, Au-Cd alloy, nickel-aluminum alloy, In-Tl alloy, Fe-nickel-Co-Ti alloy, a Fe-Cr-Ni alloy, and a Fe-Mn-Si alloy, or the alloy of a stainless steel system can be raised.

[0042] Next, although the form of other 1 operations of the explosion arrester of the aerosol container of this invention is explained in detail based on Drawings, the same notation is described into the same part as the form of the already explained above-mentioned implementation, and description is omitted.

[0043] [ the explosion arrester 20 of this aerosol container ] As shown in drawing 3 and drawing 4 , the exhaust passage 22 which the injection path 5a of the central part of a stem 5 is made open for free passage, and constitutes the automatic discharge valve device 21 is formed, carry out opening in the lower end of a stem 5, and are open for free passage in housing 6. The passage penetrated by the injection path 5a and the exhaust passage 22 will be formed in the central part of a stem 5 by this. The narrow diameter portion 22a where the upper end of the diameter of a passage was formed in the conical shape slightly made into the byway is established in lower end opening of this exhaust passage 22.

[0044] And it is equipped with the exhaust air valve 23 so that the narrow diameter portion 22a of the lower end part of the exhaust passage 22 which is end face opening of this stem 5 may be plugged up.

[0045] The blockade part 23a of the diameter conical shape [ narrow diameter portion / 22a /

which is attached in the narrow diameter portion 22a of the exhaust passage 22, and can carry out a seal as this exhaust air valve 23 is shown in drawing 3 (b) and (c) ] of a large, From the narrow diameter portion 22a formed in the circular-cone part 23b formed in the upper part of this blockade part 23a at one, and the lower part of the blockade part 23a at one, the combination part 23c of a byway, While regulating movement magnitude by it being formed in the lower part of the combination part 23c at one, and hitting against the lower end surface of a stem 5 The internal pressure is constituted with 23d of diameter of large disc-like pressure receiving parts to receive, and [ 23d of pressure receiving parts ] [ parts / the part equivalent to the periphery of the combination part 23c / form in periphery regular intervals two or more penetration parts 23e for securing the channel which opens a top face for free passage to the exhaust passage 22 in the condition of having hit against the lower end surface of the stem 5, or ] Or a clearance is opened between the combination parts 23c at the top-face periphery part of 23d of pressure receiving parts, and two or more 23f of heights are formed in periphery regular intervals.

[0046] Thus, the blockade part 23a of the diameter conical shape of a large fits into the narrow diameter portion 22a of byway conical shape of the exhaust passage 22 of the lower end part of a stem 5, and the constituted exhaust air valve 23 is made into a sealed condition. In the state of anticipated use, the combination part 23c and 23d of pressure receiving parts will be projected in housing 6, and the conical shape magnitude of the blockade part 23a etc. is set up so that a sealed condition can be held, until the pressure in the aerosol container 1 becomes 15kg/cm<sup>2</sup> of a resisting pressure limitation.

[0047] This exhaust air valve 23 is made, for example from a synthetic-resin metallurgy group etc., and a resisting pressure limitation when [ for example, ] it becomes the unusual high voltage over 15kg/cm<sup>2</sup> [ the pressure in the aerosol container 1 ] While it is moved up and the exhaust air valve 23 separates from the narrow diameter portion 22a of the exhaust passage 22 by the pressure added to 23d of disc-like pressure receiving parts It is the thing which makes the exhaust passage 22 open for free passage in housing 6 as the top face of 23d of pressure receiving parts hits [ thing ] the underside of a stem 5, the combination part 23c is located [ thing ] in a narrow diameter portion 22a and a clearance is formed [ thing ]. The setting pressure to which the exhaust air valve 23 is moved is adjusted at an angle of the circular cone of changing the receiving surface product of 23d of pressure receiving parts, or the narrow diameter portion 22a and the blockade part 23a etc.

[0048] [ such an explosion arrester 20 of an aerosol container ] As shown in drawing 3 if an internal pressure becomes the unusual high voltage over 15kg/cm<sup>2</sup> of a resisting pressure limitation with heat when it is neglected under the charge into fire, [ or an elevated temperature While acting on 23d of pressure receiving parts of the exhaust air valve 23 with which this pressure takes up the exhaust passage 22 of a stem 5, the exhaust air valve's 23 being moved



up by this pressure and 23d of pressure receiving parts' hitting a stem 5 The sealed condition by the blockade part 23a of the diameter conical shape of a large is opened wide, and a clearance is formed between the narrow diameter portion 22a of byway conical shape of the exhaust passage 22, and the combination part 23c of the exhaust air valve 23.

[0049] Then, a channel is made in the lower end of a stem 5 through the penetration part 23e or 23f of heights of the exhaust air valve 23. The exhaust passage 22 and the injection path 5a of the inside of housing 6 and a stem 5 are open for free passage, the content of a high voltage condition with which the aerosol container 1 was filled up etc. is exhausted outside through the injection path 5a of a stem 5, and explosion is prevented.

[0050] [ in addition, the usual injection in the aerosol container 1 ] It is carried out by depressing a stem 5 through the push button which is not illustrated, as shown in the right half of drawing 4 . It is carried out by the stem gasket 7 being pushed in the dip part 5b of a stem 5, opening of 5d of the stem holes being carried out, and a content etc. flowing into the injection path 5a through 5d of stem holes through the free passage pore 6c of housing 6 from the clearance between housing 6 and a stem 5, and being injected from the injection tip of the push button which is not illustrated.

[0051] According to the explosion arrester 20 of such an aerosol container, make the injection path 5a of a stem 5 penetrate to a lower end, and the exhaust passage 22 is formed. An unusual high-pressure content etc. can be automatically exhausted outside with the easy configuration of equipping with the exhaust air valve 23 from the lower end of the exhaust passage 22, and explosion can be prevented.

[0052] Moreover, since the exhaust air valve 23 is moved with unusual high voltage and it exhausts automatically while a configuration is easy, and there are also few components mark and they can do assembly easily, it can be made to be able to operate certainly and dependability can be raised.

[0053] Furthermore, it can change by changing the include angle of the circular cone of changing the magnitude of 23d of pressure receiving parts for the receiving surface product of a pressure added to the exhaust air valve 23, or the narrow diameter portion 22a and the blockade part 23a, and the degree of freedom in the case of setting up the pressure exhausted automatically can also be set up easily greatly.

[0054] In addition, although the sealed condition at the time is usually securable good by making into conical shape the blockade part 23a of the exhaust air valve 23 which blocks the narrow diameter portion 22a of the exhaust passage 22, and this, it is possible not only this but to form a narrow diameter portion and a blockade part cylindrical.

[0055] next, when it can be made to carry out not only according to the unusual high voltage of an aerosol container but according to abnormally high temperature automatic exhaust air After making it remember that it recovers in the configuration which a path becomes small about the

configuration of the blockade part 23a, and forms a clearance at least from the narrow diameter portion 22a of byway conical shape [ time of abnormally high temperature ], using a shape memory material as an exhaust air valve 23 What was made into the configuration changed so that it might become the blockade part 23a of the diameter conical shape of a large in which the usual seal is possible is used.

[0056] When it becomes abnormally high temperature while it is made to move with unusual high voltage and the automatic exhaust air of the exhaust air valve 23 can be carried out by using such an exhaust air valve 23 Recover rapidly in the configuration which the blockade part 23a of the diameter conical shape of a large of the exhaust air valve 23 made memorize beforehand, and a clearance is formed between the narrow diameter portions 22a of byway conical shape of the exhaust passage 22. A content etc. can be automatically exhausted in the same path as an unusual high-pressure case, and explosion of the aerosol container 1 can be prevented.

[0057] Therefore, not only according to the unusual high voltage of the aerosol container 1 but according to abnormally high temperature, automatic exhaust air can be carried out and explosion can be prevented much more certainly.

[0058] As a shape memory material used for such an exhaust air valve 23, a shape-memory resin and a shape memory alloy are used, and, specifically, what was already raised can be used.

[0059] In addition, [ with the form of this operation, after the exhaust air valve 23 is moved with unusual high voltage, in order to secure the channel which exhausts a content etc. between the lower end surface of a stem 5, and the top face of 23d of pressure receiving parts of the exhaust air valve 23, formed the penetration part 23e or 23f of heights in the exhaust air bubble 23, but ] As shown in drawing 5 , 23d of pressure receiving parts of the exhaust air valve 23 are considered as as [ disc-like ]. Also with the explosion arrester 20 of the aerosol container equipped with the stem 5 and the exhaust air valve 23 which could form two or more heights 24 in periphery regular intervals, and formed such a height 24 in the lower end surface of a stem 5, unusual high pressure gas can be exhausted automatically similarly, and explosion can be prevented.

[0060] In addition, in the case of drawing 5 , the narrow diameter portion 22a and the blockade part 23a were formed cylindrical, but you may make it form not only by this but by a conical surface, and sealing nature improvement can be aimed at.

[0061]

[Effect of the Invention] [ according to the explosion arrester of the aerosol container of this invention according to claim 1 ] as concretely explained with the form of operation above Since the stem of the aerosol container was made to penetrate the exhaust passage which is open for free passage to an injection path and the valve mechanism for automatic blowdown was

formed in the edge of this exhaust passage, a configuration is easy, and assembly can also become easy, can be operated certainly and can exhaust high pressure gas automatically.

[0062] Moreover, since an exhaust hole is formed in the side of an exhaust passage and it was made for the exhaust air valve with which it equipped from the opening end to close this according to the explosion arrester of the aerosol container of this invention according to claim 2 It can be made open for free passage [ with the exterior ] by making an unusually high pressure act on an exhaust air valve, and changing it from an exhaust hole, a configuration can be simplified, and it can be made to be able to operate certainly, and can exhaust automatically.

[0063] Furthermore, it can perform simply changing and setting up the working pressure made to exhaust automatically with the number and magnitude of the exhaust hole formed in an exhaust passage.

[0064] Moreover, since according to the explosion arrester of the aerosol container of this invention according to claim 3 equip with the exhaust air valve constituted from a blockade part and a pressure receiving part by the exhaust passage, it is made to move by the unusual pressure added to a pressure receiving part and the blockade by a blockade part is opened, it is easy, and a configuration can make it able to operate certainly and can exhaust automatically.

[0065] Furthermore, working pressure can be easily set up by changing the magnitude of a pressure receiving part and adjusting a receiving surface product.

[0066] Moreover, since the exhaust air valve was formed with the shape memory material which the configuration which carries out opening at the time of an elevated temperature was made to memorize according to the explosion arrester of this aerosol container according to claim 4 In addition to the opening motion by a pressure, the opening motion by temperature can also be added, it can exhaust automatically much more certainly, and explosion can be prevented.

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[Translation done.]